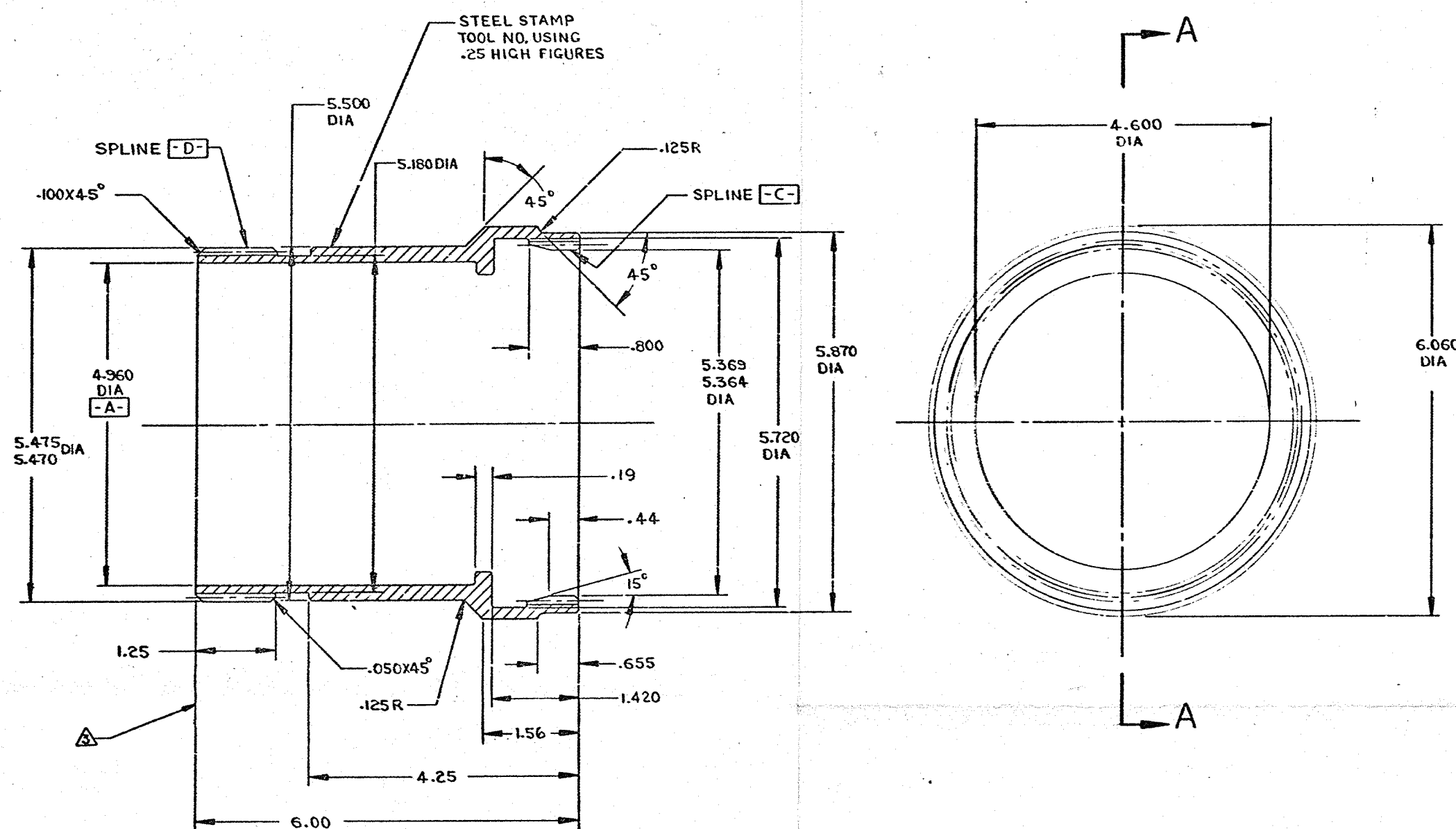


# SPLINE C

TYPE \_\_\_\_\_ INTERNAL, INVOLUTE  
 NO OF TEETH \_\_\_\_\_ 44  
 PRESSURE ANGLE \_\_\_\_\_ 30°  
 PITCH \_\_\_\_\_ 8/16  
 BASE CIRCLE DIA (REF) \_\_\_\_\_ 4.763140  
 PITCH DIA (REF) \_\_\_\_\_ 5.5000  
 MINOR DIA (REF) \_\_\_\_\_ 5.564-5.369  
 FORM DIA \_\_\_\_\_ 5.636  
 MAJOR DIA \_\_\_\_\_ 5.662-5.664 A3  
 CIRCULAR SPACE WIDTH:  
 MIN ACTUAL (REF) \_\_\_\_\_ .1990  
 MAX ACTUAL (REF) \_\_\_\_\_ .2012 A3  
 MEASUREMENT BETWEEN  
 .2160 DIA PINS \_\_\_\_\_ 5.1934-5.1970  
 SURFACE TEXTURE \_\_\_\_\_ 125AA

# SPLINE D

TYPE \_\_\_\_\_ EXTERNAL, INVOLUTE  
 NO OF TEETH \_\_\_\_\_ 43  
 PRESSURE ANGLE \_\_\_\_\_ 30°  
 PITCH \_\_\_\_\_ 8/16  
 BASE CIRCLE DIA (REF) \_\_\_\_\_ 4.654886  
 PITCH DIA (REF) \_\_\_\_\_ 5.375  
 MAJOR DIA (REF) \_\_\_\_\_ 5.470-5.475  
 FORM DIA \_\_\_\_\_ 5.239  
 MINOR DIA (MIN) \_\_\_\_\_ 5.194 A3  
 CIRCULAR TOOTH THICKNESS:  
 MAX ACTUAL (REF) \_\_\_\_\_ .1866  
 MIN ACTUAL (REF) \_\_\_\_\_ .1807  
 MEASUREMENT OVER  
 .2160 DIA PINS \_\_\_\_\_ 5.651-5.661 A2  
 SURFACE TEXTURE \_\_\_\_\_ 125AA



SECTION A-A

## NOTES:

- BREAK ALL SHARP EDGES .015 R OR .015 X 45°-50°
- ALL UNDESIGNATED DIAMETERS AND SURFACES TO BE A.010
- HEAT TREAT TO 145-165 KSI ~ Rc 32.5-36.5. CHECK HARDNESS ON INDICATED SURFACE.
- SEE DWG 412-043-101 FOR TOOL APPLICATION.
- A1 A CADMIUM PLATE PER FED SPEC QQ-P-416, CLASS 2, TYPE II.

FILE COPY

SOURCES QUALIFIED AND APPROVED BY BHT FOR STANDARDS AND MATERIALS ARE LISTED IN REPORT 299-699-900.

FOR APPROVED INTERCHANGEABLE EQUIVALENTS AND SUPERSEDED PARTS - SEE BHT STANDARD 170-001

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THE FOREGOING DOES NOT APPLY TO VENDOR PARTS

PART OR IDENTIFYING NO		CODE IDENT NO	NOMENCLATURE OR DESCRIPTION	STOCK SIZE	MATERIAL	MATERIAL SPEC	QUANTITY	REVISION
T103178			SOCKET	4.130ALYST	COMMERCIAL			
EWA 412 M10.7		W.O. 4720						
MIL-H-6875		PALREDDY II-678						
412-043-366		412						
NEXT ASSY		USED ON						
APPLICATION								

UNLESS OTHERWISE SPECIFIED:  
 1. MARK PER BPS 4000  
 2. BREAK ALL SHARP EDGES  
 3. TOP SURF PER BPS 4018  
 4. SAFETY PER BPS 4043  
 5. DIMENSIONAL LIMITS APPLY AFTER PLATING

APPLICABLE DOCUMENTS:  
 ABBREVIATIONS PER MIL-STD-12  
 DIMENSIONING AND TOLERANCING PER ANSI Y14.5-1973  
 ELECTRICAL SYMBOLS PER ANSI Y32.2  
 ELECTRICAL REF DESIGNATIONS PER ANSI Y32.18

125 V  
 UNFINISHED SURFACES EXCEPT AS NOTED

PROJECT: 412-043-366  
 DATE: 26 Jan 79  
 DESIGNED: [Signature]  
 CHECKED: [Signature]  
 DRAWN: [Signature]  
 SCALE: 1/1  
 SHEET: 1 OF 1